

(12) UK Patent Application (19) GB (11) 2 277 077 (13) A

(43) Date of A Publication 19.10.1994

(21) Application No 9404920.2

(22) Date of Filing 14.03.1994

(30) Priority Data

(31) PL7804
PL51905

(32) 15.03.1993
24.11.1993

(33) AU

(51) INT CL⁵

B65D 5/42

(52) UK CL (Edition M)

B8P PAX PE2A
U1S S1310

(56) Documents Cited

GB 2235434 A GB 2203382 A GB 2008073 A
GB 0456438 A DE 003208777 A1 US 4674632 A

(58) Field of Search

UK CL (Edition M) B8P PAX PE1X PE2A PP
INT CL⁵ B65D 5/42 5/44
Online database:WPI

(71) Applicant(s)

P & I Printing (Sales) PTY Ltd

(Incorporated in Australia)

8 Works Place, Milperra, New South Wales 2214,
Australia

(72) Inventor(s)

Peter William Shaw

(74) Agent and/or Address for Service

Anthony Burrows
Business Centre West, Avenue One, Business Park,
LETCHWORTH GARDEN CITY, Herts, SG6 2HB,
United Kingdom

(54) A carton having a leaflet therein

(57) A carton (10), typically to house a bottle containing a pharmaceutical substance may comprise an internal flap (17) which defines a pocket into which a leaflet (15) may be received (Fig 3). In an alternative embodiment, a leaflet (15) comprises a tab (22) adhered to the underside of the lid (16) of the carton (Fig 7). The leaflet (15) may include product information or instructions or the like.

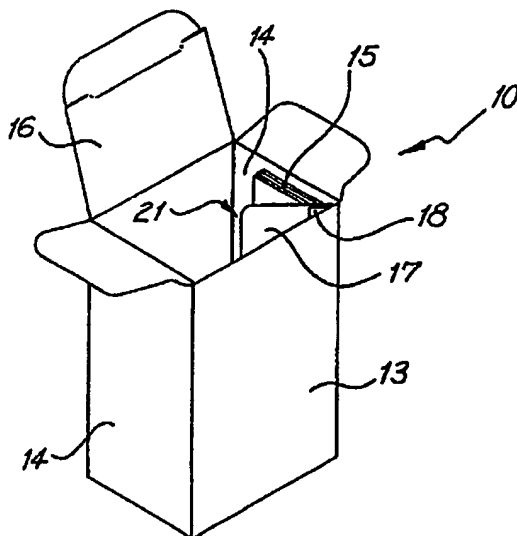


FIG. 3

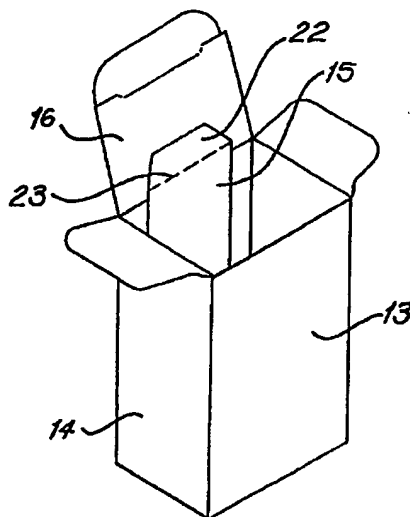
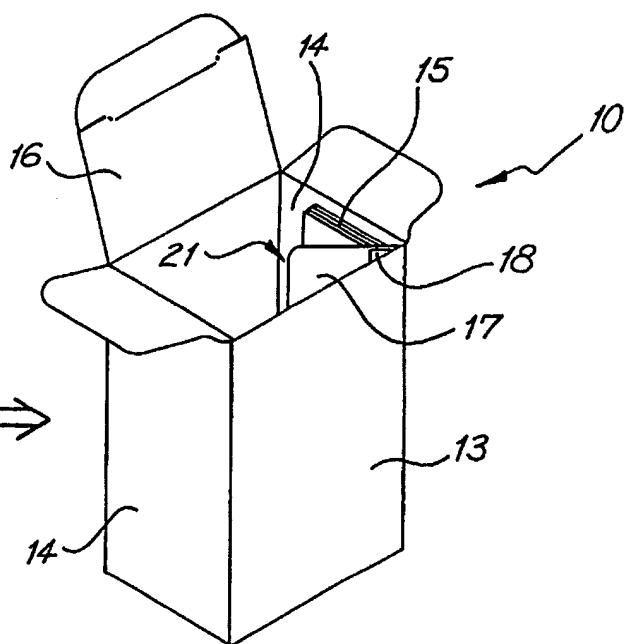
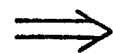
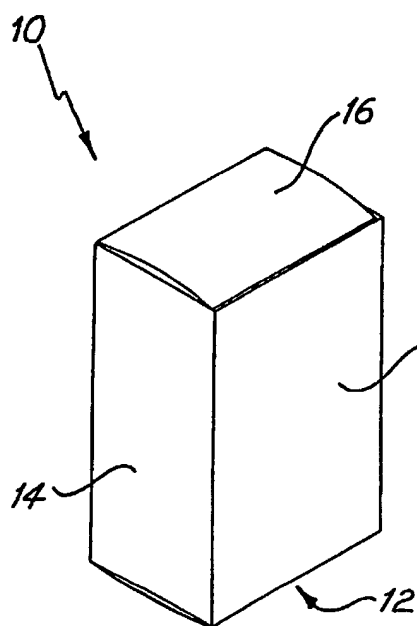
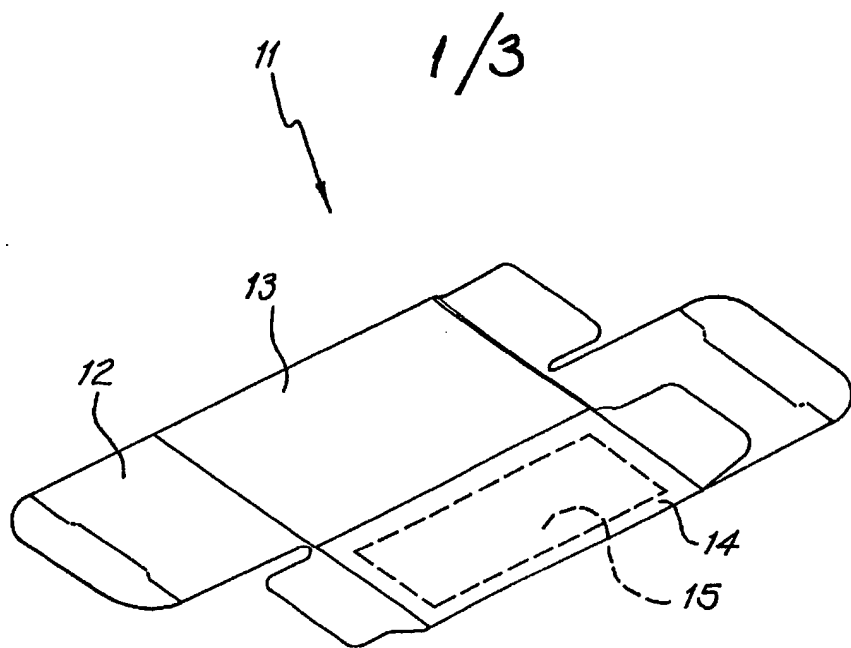


FIG. 7

At least one drawing originally filed was informal and the print reproduced here is taken from a later filed formal copy.

The claims were filed later than the filing date within the period prescribed by Rule 25(1) of the Patents Rules 1990.

GB 2 277 077 A



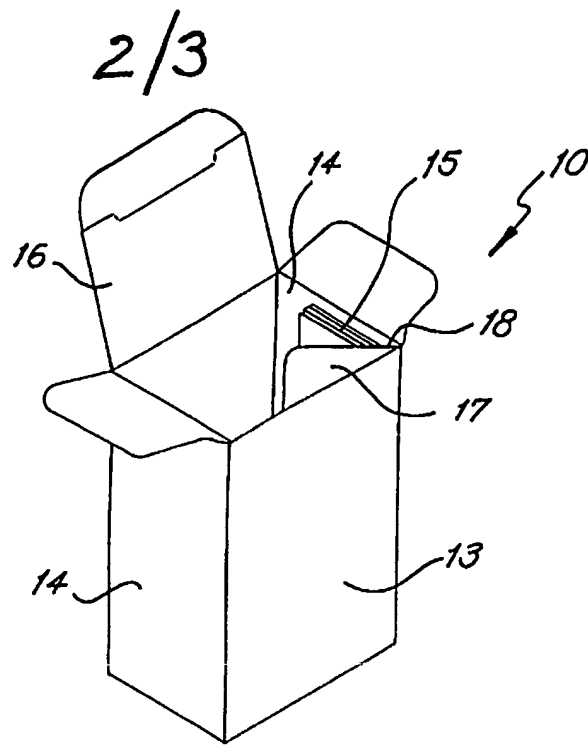


FIG. 4

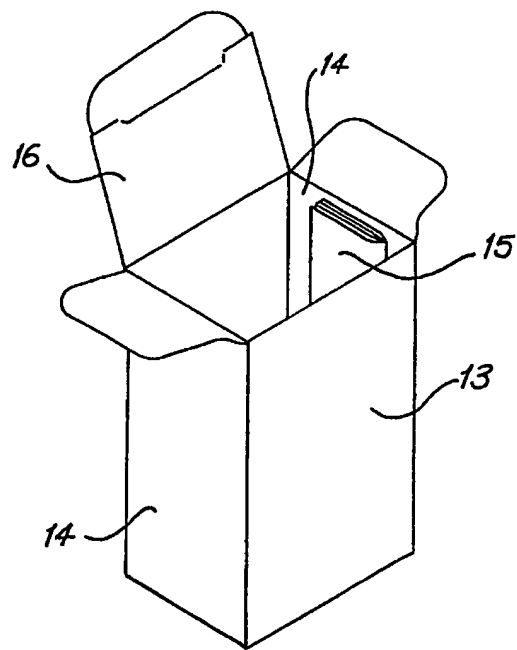


FIG. 5

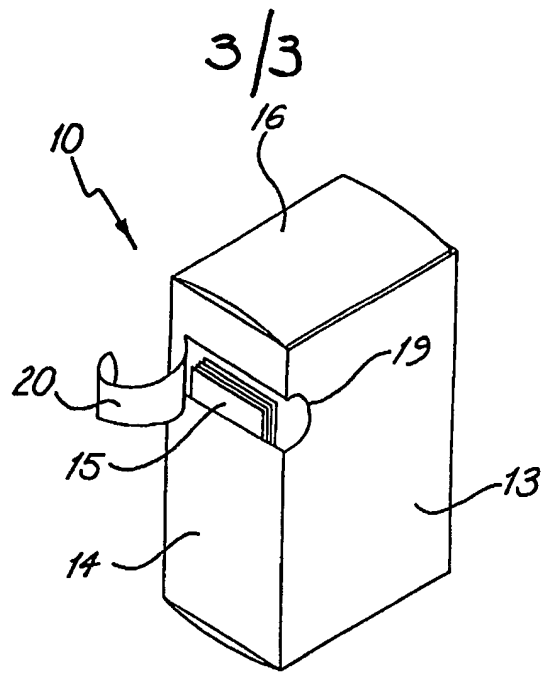


FIG. 6

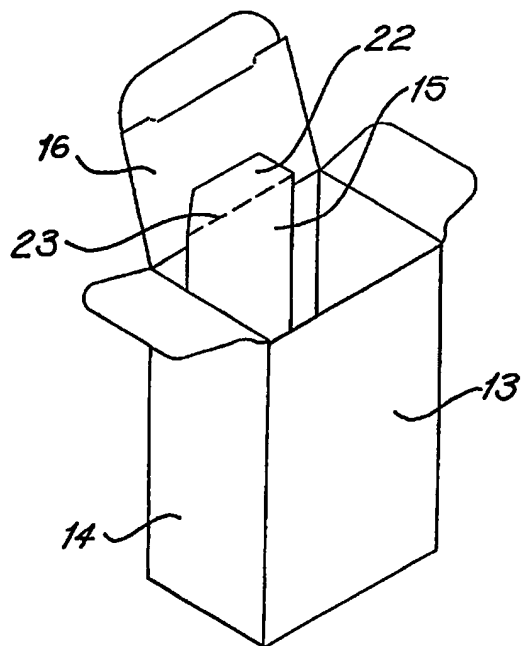


FIG. 7

A CARTON HAVING A LEAFLET THEREIN AND
METHOD OF FORMING SAME
FIELD OF THE INVENTION

5

The following invention relates to a carton having a leaflet therein. More particularly, though not exclusively, the invention relates to a carton for receiving a medication container and its associated instruction leaflet. The invention also relates to a method
10 of forming such a carton.

PRIOR ART

Boxes used to distribute medication usually provide an instruction/information leaflet with the medication container in the box.

It is a time consuming procedure to insert the leaflets into the
15 carton. Such a procedure is often carried out by hand or by machinery. Either way, considerable expense is required to insert the instruction leaflet into the carton. The leaflet in the carton often springs open under its own resilience to jam against a jar or the like within the carton. Alternatively, the leaflet might be wound about the jar. During
20 unpackaging, a certain degree of inconvenience to the customer results from such methods of packaging.

OBJECT OF THE INVENTION

It is the object of the present invention to overcome or substantially ameliorate at least one of the above disadvantages.

25

DISCLOSURE OF THE INVENTION

There is disclosed herein a carton comprising:

a base,

a number of side walls co-operating with the base to define a receiving volume for a product,

30 lid means extending from one or more of said side walls for covering said receiving volume, and

a flap fixed to one or more of said side walls and extending into said receiving volume to define a pocket between the flap and said one side wall for receiving a leaflet.

35 There is further disclosed herein a carton comprising:

a base,

a number of side walls co-operating with the base to define a receiving volume for a product,

lid means extending from one or more of said side walls for covering said receiving volume, and

a leaflet within said volume and attached to one of said side walls, lid or base by frangible means.

Preferably, the frangible means is adhesive.

Preferably, the adhesive is peelable adhesive.

5 Alternatively, the adhesive might comprise one or more spots of peelable/permanent adhesive.

Beneficially, one or more of the side walls may be provided with a tear-off panel to expose a leaflet.

There is further disclosed herein a method of forming a collapsed
10 carton, comprising:

providing a blank of foldable material, the blank defining a base, a number of side walls, a lid, a connecting strip, and a flap to be folded alongside one of said side walls,

placing a leaflet between said one side wall and the flap,

15 applying adhesive to said connecting strip and/or a portion of one of the side walls to be secured thereto, and

folding the blank to form a collapsed carton with the leaflet between the flap and said one of said side walls.

There is further disclosed herein a method of forming a collapsed
20 carton, comprising:

providing a blank of foldable material, the blank defining a base, a number of side walls, a lid and a connecting strip,

adhering a leaflet to one of said side walls, base or lid,

applying adhesive to said connecting strip and/or one of said side
25 walls, and

folding the blank to adhere the connecting strip to one of said side walls to form a collapsed carton with the leaflet therein.

As an advantage of the above disclosed carton and/or as a result of the above described method, the leaflet is conveniently located within
30 the carton prior to insertion into the carton of a bottle of medication or the like. That is, a separate manual or automated procedure is not required for the insertion of the leaflet into the carton at the product insertion stage.

BRIEF DESCRIPTION OF THE DRAWINGS

35 Preferred forms of the present invention will now be described by way of example with reference to the accompanying drawings, wherein:

Fig. 1 is a schematic perspective view of a partly folded blank used to form a carton,

Fig. 2 is a schematic perspective view of a carton formed by the blank of Fig. 1,

Fig. 3 is a schematic perspective view of a carton in an open configuration,

5 Fig. 4 is a schematic perspective view of an alternative embodiment carton in an open configuration,

Fig. 5 is a schematic perspective view of yet a further embodiment carton in an open configuration,

Fig. 6 is a schematic perspective view of yet a further embodiment
10 carton, and

Fig. 7 is a schematic perspective view of yet a further embodiment carton.

DESCRIPTION OF THE PREFERRED EMBODIMENTS

In Fig. 1 of the accompanying drawings there is schematically
15 depicted a blank 11 formed of cardboard or the like. Any other form of material such as plastics may however be adopted. The blank 11 is depicted in a partly folded configuration (collapsed configuration).

Blank 11 folds into the carton 10 depicted in Fig. 2. Carton 10 comprises a base 12, a pair of front and rear walls 13 and a pair of side
20 walls 14. Extending from one of the front or rear walls 13 is a folding lid 16.

Referring to Fig. 3, a flap 17 is formed integrally by a fold to side wall 14. Flap 17 extends into the interior of carton 10 to define a pocket 21 to receive a leaflet 15. Front wall 13 is secured to flap 17
25 by a tab 18 which is integrally folded to front wall 13. Tab 18 is secured to flap 17 by adhesive.

As an alternative, and as depicted in Fig. 4, rather than providing tab 18 as an extension of front wall 13, tab 18 may form an extension of side wall 14. As with the embodiment depicted in Fig. 3, tab 18 is to be
30 secured to flap 17 by adhesive.

As an alternative to the embodiments of Figs. 3 and 4, the flap 17 may be provided with its own tab 18 for adhesion at any corner of carton 10.

In forming the carton 10 depicted in Figs. 3 and 4, a sheet of
35 cardboard or the like is first cut into a blank 11. Before folding the blank 11 into the configuration depicted in Fig. 1, the leaflet 15 may be placed against side wall 14. That is, as shown in Fig. 1, the leaflet 15 is pre-inserted into the carton 10 prior to folding out into the configurations depicted in Figs. 2, 3 or 4.

As an alternative to the provision of a flap 17 to form a pocket 21, leaflet 15 may be secured to side wall 14 by peel-off adhesive or by way of one or more spots of permanent adhesive or semi-permanent adhesive. Such a configuration is depicted in Fig. 5.

5 As with the embodiments depicted in Figs. 1 to 4, the leaflet 15 is to be located within the blank 11 prior to folding into the configuration of a carton. To this end, several spots of permanent or semi-permanent adhesive may be applied to one or more of the leaflet 15 and side wall 14.

Referring now to Fig. 6, a further embodiment is depicted. In 10 Fig. 6, leaflet 15 may be located within carton 10 by any one of the methods described above. As an additional feature however, a tear-off strip 20 may be provided in end wall 14. Such a strip 20 would be secured to end wall 14 by weakened perforation lines. Once fully or partially detached, strip 20 reveals an aperture 19 through which leaflet 15 may be removed from carton 10.

In use of the embodiments depicted in Figs. 1 to 4, the lid 16 is simply opened in a conventional manner to reveal both a jar of medication or the like and leaflet 15. Leaflet 15 may be then readily removed from the carton.

20 In the embodiment depicted in Fig. 5, the leaflet 15 after opening lid 16 might simply be peeled away from side wall 14 or sheared therefrom.

The embodiment depicted in Fig. 6 may be used in an identical manner as the embodiments of Figs. 1 to 5. Additionally however, the strip 20 may be removed to reveal leaflet 15 through aperture 19, through 25 which the leaflet may be removed.

As shown in Fig. 7, in a further embodiment, leaflet 15 may be provided with a tab 22. A tear line or perforation 23 may be provided between the tab 22 and the remainder of leaflet 15. The tab 22 may be adhered to the underside of lid 16. Alternatively, the tab may be 30 adhered to any other internal surface of the carton.

It should be appreciated that modifications and alterations obvious to those skilled in the art are not to be considered as beyond the scope of the present invention. For example, flap 17 may be positioned to provide a pocket 21 adjacent to front or rear wall 13 rather than 35 adjacent to side walls 14 as depicted. Additionally, flap 17 may be secured at both sides to adjacent corners of the carton.

It should further be appreciated that the carton herein may be suitable for the storage of all manner of products such as cosmetics, modelling paints, spare parts, or any other product provided with a leaflet of instructions or other advertising material or the like.

CLAIMS

1. A carton comprising:
a base,
a number of side walls co-operating with the base to define a
5 receiving volume for a product,
lid means extending from one or more of said side walls for
covering said receiving volume, and
a flap fixed to one or more of said side walls and extending into
said receiving volume to define a pocket between the flap and said one
10 side wall for receiving a leaflet.
2. A carton comprising:
a base,
a number of side walls co-operating with the base to define a
receiving volume for a product,
15 lid means extending from one or more of said side walls for
covering said receiving volume, and
a leaflet within said volume and attached to one of said side
walls, lid or base by frangible means.
3. The carton of claim 2 wherein said frangible means is adhesive.
- 20 4. The carton of claim 3 wherein the adhesive is peelable
adhesive.
5. The carton of claim 3 wherein the adhesive comprises one or
more spots of peelable/permanent adhesive.
6. The carton of any one of the preceding claims wherein the side
25 walls are provided with a tear-off panel to expose a leaflet.
7. A method of forming a collapsed carton, comprising:
providing a blank of foldable material, the blank defining a base,
a number of side walls, a lid, a connecting strip, and a flap to be
folded alongside one of said side walls,
30 placing a leaflet between said one side wall and the flap,
applying adhesive to said connecting strip and/or a portion of one
of the side walls to be secured thereto, and
folding the blank to form a collapsed carton with the leaflet
between the flap and said one of said side walls.
- 35 8. A method of forming a collapsed carton, comprising:
providing a blank of foldable material, the blank defining a base,
a number of side walls, a lid and a connecting strip,

adhering a leaflet to one of said side walls, base or lid,
applying adhesive to said connecting strip and/or one of said side
walls, and

5 folding the blank to adhere the connecting strip to one of said
side walls to form a collapsed carton with the leaflet therein.

9. The carton of any one of claims 2 to 5, or the method of claim
8 wherein said frangible means comprises a tab for attachment to said
carton, the leaflet being detachable from the tab.

10 10. A carton formed by unfolding the collapsed carton produced by
the method of any one of claims 7 or 8.

11. A carton, substantially as hereinbefore described with reference to
Figures 1 to 3, or any one of Figures 4 to 7, of the accompanying drawings.

15 12. A method of forming a collapsed carton, substantially in accordance
with any example described with reference to the accompanying drawings.

Patents Act 1977
Examiner's report to the Comptroller under Section 17
(The Search report)

Application number
GB 9404920.2

- 7 -

Relevant Technical Fields

(i) UK Cl (Ed.M) B8P (PAX, PE1X, PE2A, PP)

(ii) Int Cl (Ed.5) B65D 5/42; 5/44

Search Examiner
MIKE HENDERSON

Date of completion of Search
25 APRIL 1994

Databases (see below)

(i) UK Patent Office collections of GB, EP, WO and US patent specifications.

(ii) ONLINE DATABASE: WPI

Documents considered relevant following a search in respect of Claims :-
1, 6, 7, 10, 11 AND 12

Categories of documents

- | | |
|---|---|
| X: Document indicating lack of novelty or of inventive step. | P: Document published on or after the declared priority date but before the filing date of the present application. |
| Y: Document indicating lack of inventive step if combined with one or more other documents of the same category. | E: Patent document published on or after, but with priority date earlier than, the filing date of the present application. |
| A: Document indicating technological background and/or state of the art. | &: Member of the same patent family; corresponding document. |

Category	Identity of document and relevant passages		Relevant to claim(s)
X	GB 2235434 A	(REED PACKAGING LTD) whole specification relevant	1
X	GB 2203382 A	(GOLDBERG) whole specification relevant	1
X	GB 2008073 A	(KERN) whole specification relevant	1
X	GB 456438	(MURRAY) whole specification relevant	1
X	US 4674632	(FRIEDMAN) whole specification relevant	1, 6
X	DE 3208777 A1	(VOGEL) whole specification relevant	1

Databases: The UK Patent Office database comprises classified collections of GB, EP, WO and US patent specifications as outlined periodically in the Official Journal (Patents). The on-line databases considered for search are also listed periodically in the Official Journal (Patents).